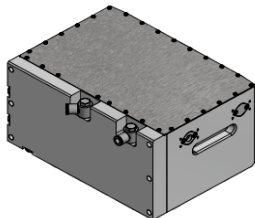


**Nps-532-40-1000**

**Spec. #: NP21704**

## Narrowband Mode-Locked Laser



### MAIN FEATURES

- \_ 7-ps pulses @ 1064 nm @ 40 MHz
- \_ transform-limited operation
- \_ user friendly turn-key operation
- \_ compact and rugged system
- \_ low power consumption
- \_ water-cooled package

### Technical Specifications

Center Wavelength	532.15 ± 0.1	nm
Pulse duration	< 8	ps
Average output power	> 1	W
Repetition rate	40 ± 1	MHz
Polarization	Linear, > 100:1	
Spectral Width	< 0.1	nm
Time-bandwidth product	< 0.6	
RF side-mode suppression	> 45	dBc
Beam diameter (1/e <sup>2</sup> )	1 ± 0.2	mm
Beam quality M <sup>2</sup>	< 1.2	
Output coupling	Free-space output window	
Trigger output	TTL, SMA connector	
Power supply	24	V <sub>DC</sub>
Power consumption	< 350	W
Interfaces	RS-232	
Operating temperature range	15 – 35	°C
Size of the unit	255 × 185 × 130	mm <sup>3</sup>
Weight	< 10	kg

### Options Available:

- Other repetition rates available upon request
- Air-cooled version

### Applications:

- OPO pumping and nonlinear optics
- Frequency resolved spectroscopy (<3 cm<sup>-1</sup>)



All information included in this document are subject to change without notice.

Updated data sheets can be provided on request.

For further details, please contact your local **Bright Solutions** sales representative or visit our website at [www.brightsolutions.it](http://www.brightsolutions.it)

**Bright Solutions Srl**

Via Artigiani, 27  
27010 Cura Carpignano -PV  
Italy

Ph. +39 0382583094

e-mail: [sales@brightsolutions.it](mailto:sales@brightsolutions.it)